



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Trade Application of:

Bruno De Man

Serial No.: 10/731,062

Filed: December 9, 2003

For: METHOD AND APPARATUS FOR
REDUCTION OF ARTIFACTS IN
COMPUTED TOMOGRAPHY
IMAGES

Group Art Unit: 2882

Examiner: Song, Hoon K.

Atty. Docket: 133643-1/YOD
GERD:0071

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

CERTIFICATE OF MAILING
37 C.F.R. 1.8

Sir:

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PURSUANT TO 37 C.F.R. §§ 1.97(c) AND 1.98**

In compliance with the duty of disclosure under 37 C.F.R. § 1.56(a), it is respectfully requested that this Information Disclosure Statement be entered and that the listed references be considered by the Examiner and made of record. Applicants note that, due to recent amendments to 37 C.F.R. § 1.98(a), copies of the listed domestic references are no longer required to be submitted to the Examiner.

In accordance with 37 C.F.R. § 1.97, this Information Disclosure Statement is not to be construed as a representation that a search has been made, as an admission that the information cited herein is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56(b), or as a representation that no other possibly material information, as defined in 37 C.F.R. § 1.56(b), exists.

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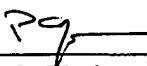
Furthermore, the references listed on the attached PTO/SB/08A Form and PTO/SB/08B are not to be construed as an admission that these references qualify as prior art as to the above-referenced application or any related application. Rather, these references are being presented for the Examiner's consideration without prejudice to the right to demonstrate that any of these references do not qualify as prior art should the Examiner choose to apply any of these references.

The following information is listed on the attached PTO/SB/08A and PTO/SB/08B Form in accordance with 37 C.F.R. §1.98. Any explanation of non-English language documents contained in this Information Disclosure Statement is believed to constitute a concise explanation of the relevance of the listed reference as it is presently understood by the individual designated in § 1.56(c) most knowledgeable about the content of the listed reference, in accordance with 37 C.F.R. § 1.98(a)(3).

In accordance with 37 C.F.R. §1.97(c) a fee of \$180.00 is due for the present Information Disclosure Statement. The Commissioner is authorized to charge the requisite fee, and any additional fee which may be required, to Deposit Account No. 07-0868; Order No. 133643-1/YOD (GERD:0071).

Respectfully submitted,

Date: 3/18/2005



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PTO/SB/08A (08-03)

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

1

of

2

Complete if Known

Application Number	10/731,062
Filing Date	December 9, 2003
First Named Inventor	Bruno De Man
Art Unit	2882
Examiner Name	Song, Hoon K.
Attorney Docket Number	133643-1/YOD (GERD:0071)

U. S. PATENT DOCUMENTS

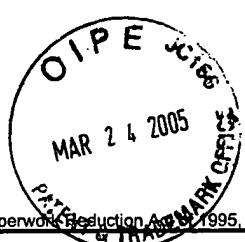
FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	
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Sheet	2	of	2	Attorney Docket Number	133643-1/YOD (GERD:0071)
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NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	C1	J.F. Williamson, et al, "Prospects for Quantitative Computed Tomography Imaging in the presence of Foreign Metal Bodies using Statistical Image Reconstruction", Med. Phys., Vol. 29, No. 10, pp.2404-2418, October 2002	
	C2	G. Wang, et al, "A fast algorithm for metal artifact reduction in X-ray CT", Academic Radiology, pp. 7:607-614, 2000	
	C3	B. De. Man, "Iterative Reconstruction for Reduction of Metal Artifacts in Computed Tomography", PhD Thesis, University of Leuven, 2001	
	C4	W.A. Kalender, et al, "Reduction of CT Artifacts caused by Metallic Implants", Radiology, pp. 576-577, August 1987	
	C5	R.M. Lewitt, et al, "Image Reconstruction from Projections : III : Projection Completion Methods (theory)", Optik 50 (1978) no. 3, pp. 189-204	

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